



The Model T102 UV Fluorescence TRS Analyzer



The Model T102 TRS analyzer uses the proven UV fluorescence principle to measure Total Reduced Sulfur at levels commonly required for ambient air monitoring.

— With NumaView™ premium T Series software —

- Large, vivid, and durable color touchscreen display
- Lifetime technical support by phone and email
- All other T Series instrument platform features
- Standard two-year warranty



T102 Specifications

■ Ranges	TRS SO ₂	Min: 0-50 ppb full scale Max: 0-10 ppm full scale Up to 0-20 ppm full scale (selectable, dual range supported)
■ Measurement Units		ppb, ppm, µg/m ³ , mg/m ³ (selectable)
■ Zero Noise		< 0.2 ppb (RMS)
■ Span Noise		< 0.5% of reading (RMS) above 50 ppb
■ Lower Detectable Limit		0.4 ppb
■ Zero Drift		< 0.5 ppb/24 hours
■ Span Drift		< 0.5% of full scale/24 hours
■ Lag Time		20 seconds
■ Rise/Fall Time		< 120 seconds to 95%
■ Linearity		1% of full scale
■ Precision		0.5% of reading above 50 ppb
■ Sample Flow Rate		650 cc/min ±10%
■ Power Requirements		100V-120V, 220V-240V, 50/60 Hz
■ Analog Output Ranges		10V, 5V, 1V, 0.1V (selectable)
■ Recorder Offset		±10%
■ Included I/O		1 x Ethernet: 10/100Base-T 2 x RS232 (300-115,200 baud) 2 x USB device ports 8 x opto-isolated digital outputs 6 x opto-isolated digital inputs 4 x analog outputs
■ Optional I/O		1 x USB com port 1 x RS485 8 x analog inputs (0-10V, 12-bit) 4 x digital alarm outputs Multidrop RS232 3 x 4 - 20mA current outputs
■ Operating Temperature Range		5 - 40°C (with US EPA Approval) 850°C (external converter)
■ Dimensions (HxWxD)		Analyzer: 7" x 17" x 23.5" (178 x 432 x 597 mm) Converter: 7" x 17" x 23.5" (178 x 432 x 597 mm)
■ Weight		Analyzer: 37 lbs (16.8 kg) Converter: 26 lbs (11.8 kg)

Specifications subject to change without notice.
All Specifications are based on constant conditions



TELEDYNE API
Everywhereyoulook™

9970 Carroll Canyon Road ■ San Diego, CA 92131
Ph. 858-657-9800 Fax 858-657-9816
Email api-sales@teledyne.com

For more information about the Teledyne API family of monitoring instrumentation products, call us or visit our website at:

www.teledyne-api.com

© 2018 Teledyne API
Printed documents are uncontrolled. SAL000043C
(DCN 7621) 11.06.18

